

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. Cancelled
2. Cancelled.
3. Cancelled.
4. Cancelled.
5. Cancelled.
6. Cancelled.
7. Cancelled.
8. Cancelled.
9. Cancelled.
10. Cancelled.
11. (Currently Amended) A sensor control system, comprising:
a sensor;
a mounting unit adapted for placement on a skin of a patient; and
a housing ~~transmitter unit~~ attachable to the mounting unit, the housing including a the
transmitter unit ~~further~~ adapted for electrical communication with the sensor.
12. (Previously Presented) The system of claim 11 wherein the sensor is an electrochemical sensor.
13. (Previously Presented) The system of claim 11 wherein the sensor is configured to generate a signal representative of an analyte level of a patient.
14. (Currently Amended) The system of claim 11 wherein the housing ~~transmitter unit~~ is removably attached to the mounting unit.

15. (Currently Amended) The system of claim 11 wherein the ~~transmitter unit~~ housing is ~~integrated with~~ mounted to the mounting unit.

16. (Previously Presented) The system of claim 11 wherein the transmitter unit is configured to wirelessly transmit data corresponding to a signal received from the sensor.

17. (Previously Presented) The system of claim 16 wherein the transmitter is configured to wirelessly transmit data to one or more of a receiver unit a data monitoring device, an infusion device, a personal digital assistant, a mobile telephone, a pager, or a computer terminal.

18. (Previously Presented) The system of claim 17 wherein the infusion device includes an insulin pump.

19. (Previously Presented) The system of claim 11 further including an adhesive layer disposed on a surface of the mounting unit so that the adhesive layer is positioned between the mounting unit and the skin of the patient.

20. (Previously Presented) The system of claim 11 wherein the mounting unit includes an opening, the opening configured to receive a portion of the sensor extending from the skin of the patient.

21. (Currently Amended) The system of claim 11 wherein the housing ~~transmitter unit~~ further includes a receiver configured to receive data.

22. (Previously Presented) The system of claim 11 wherein the mounting unit is removable from the skin of the patient.

23. (Previously Presented) The system of claim 22 wherein when the mounting unit is removed from the skin of the patient, the transmitter unit and the sensor are configured to be substantially simultaneously removed from the patient.
24. (Currently Amended) A method, comprising:
transcutaneously positioning a sensor in a patient;
attaching a mounting unit onto the skin of the patient; and
operatively coupling a housing including a wireless transmitter unit to the mounting unit so that the wireless transmitter unit is configured for electrical communication with the sensor.
25. (Previously Presented) The method of claim 24 wherein the sensor includes an electrochemical sensor.
26. (Previously Presented) The method of claim 24 wherein the steps of inserting the sensor and attaching the mounting unit are substantially simultaneously performed.
27. (Previously Presented) The method of claim 24 further including the step of detecting a signal representative of an analyte level of the patient.
28. (Previously Presented) The method of claim 27 further including the step of transmitting the signal representative of the analyte level.
29. (Previously Presented) The method of claim 24 further including the step of removing the mounting unit from the skin of the patient.
30. (Currently Amended) The method of claim 29 wherein the removing step includes the step of removing the sensor and the housing ~~transmitter unit~~ from the patient.